Elicom Electronic Ltd.

Electronic Price Computing Label Printing Scale

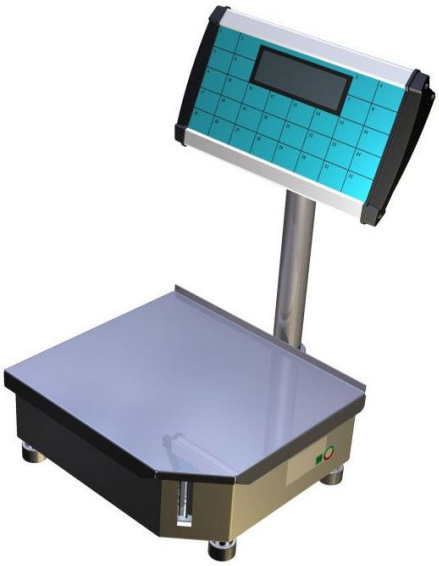
E T S

User's Manual

Table of Contents PAGE

Scale Models Series ETS

ETS xx L



ETS xx S

ETS xx B

Elicom Electronic Ltd.

1. Warranty Card

MODEL NAME: Electronic Scale Model: **ETS**

DATE OF PURCHASE:……..…

SERIAL №……

LIMITED WARRANTY

The warranty period for the Electronic Scale ETS is 12 months from the day of the purchase. To obtain and receive warranty service, you need to present the original Owner's Manual along with Warranty Card in any authorized dealers and services.
In order for the warranty to be valid, the product shouldn't be opened; all stamps, lead seals and company logos on the scale should be untouched from any mechanical damages. Product damages should not be caused by any improper use of the scale. The warranty does not apply if:

1. The electronic scale has been opened or repaired by unauthorized services by Elicom Electronic Ltd.
2. The product does not operate correctly because of mechanical damage caused by improper use: damaged keyboard foil, broken display, mechanical hit or overload of the weighing platform or the load cell.

..... Dealer:…….
(Date) (Signature)

Customer: .....
(Signature)

2. Brief Description

The information in the present instruction is given for electronic scales series ETS xx L1, L2, B1, B2, and S. The basic modifications of the scales from this series are:

- ETS xx L1 – Display Colum, User Display Window, Customer Display Window
- ETS xx L2 – Display Colum, User Display Window, Customer Display Window, Additional Keyboard with 56 buttons for direct choice of articles
- ETS xx B1 – User Display Windows, without Display Colum and Customer Display Window
- ETS xx B2 – User Display Colum, Additional Keyboard with 56 buttons for direct choice of articles, without Display Colum and Customer Display
- ETS xx S – Display Window with Keyboard for Self-Service

* „xx" indicates the maximal load for the particular model

The major function of electronic scales from series ETS is to determine the cost of the goods in correlation with their weight and price followed by printing the result on a label with barcode. The price can be determined by two ways: manually by using the digital keyboard or by using previously programmed commodity code or key for easy access.

The scales allow storing information about the commodities in the form of names, price per unit, article code, expiration date and other text information. The build in memory allows storing more than 8,500 different articles.

3. Main Functions

- Weight determination of the weighed products
- Input of the price per 1 kg
- Storing data for price, Tare, name, expiration date and est. of more than 8,500 articles
- Displaying the information for the weight, price per unit and total value of the product on two widow displays one for the user and one for the customer
- Label printing of the chosen articles and their weight and price
- Redirecting the information to PC, cash registers
- Reports for the weighed goods
- Sound signals

4. Technical Data

4.1. General data for scales from series ETS

1. Dimensions: 350 x 300 x 130 mm
2. Shipping weight: 12 kg
3. Display: graphic LCD 240x64, displaying weight,price per unit, total price, information about the commodity
4. Printer – direct thermal print, width 75mm, print speed 50mm/sec
5. Classified Accuracy (III) According to the Bulgarian State Standard EN 45501:2001
6. Error Limitation according to the Bulgaria State Standard EN 45501:2001
7. Number of check divisions: n = 3000
8. Working Conditions
    - Power Supply - AC adapter ~ 220 V / ~ 24 V / 2,5A
    - Maximum Power Consumption 60W
    - Operating Temperature: -10 °C to +40 °C
    - Air Humidity: 20 % to 80 %
9. Metal Platter:
    - Size 350 x 310 mm

4.2. Meteorological Specifications

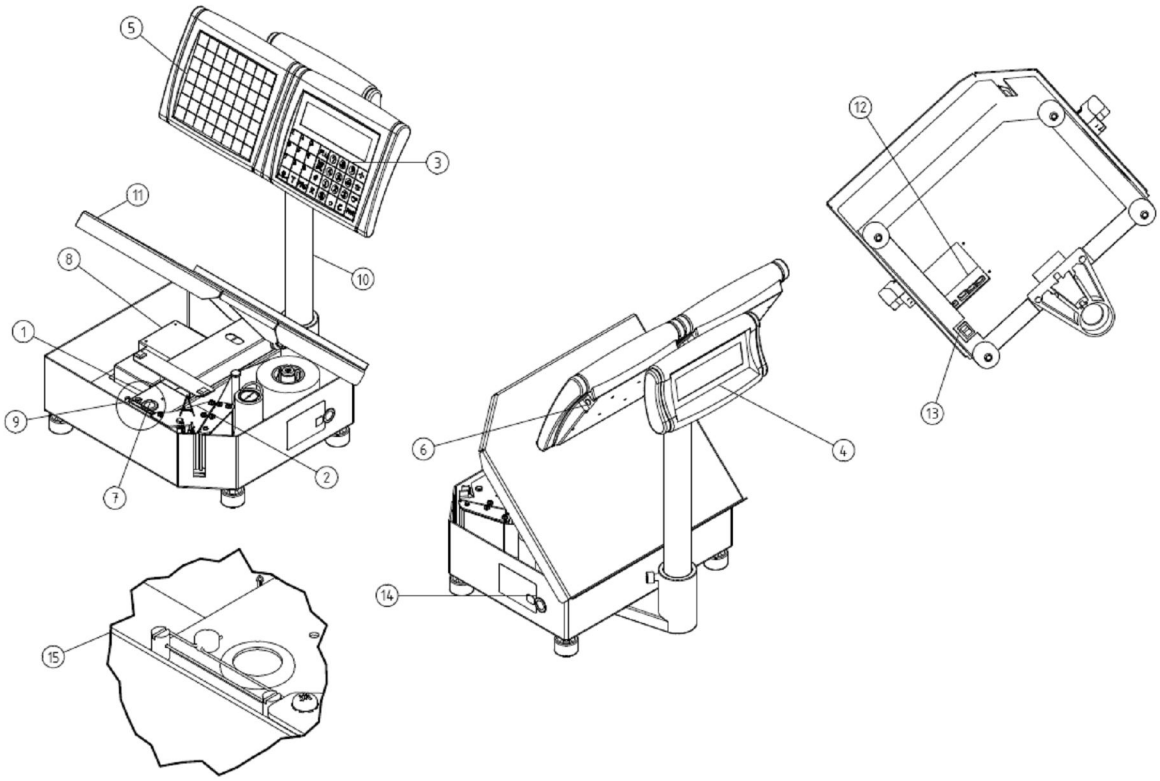
Type	**ETS xx-x**
Manufacturer	**"Elicom electronic" Ltd , Bulgaria**
Classified Accuracy	III
Maximal Load	3 kg ≤ Max ≤ 30 kg
Minimal Load	0,020 kg ≤ Min ≤ 0,200 kg
Value of the Real and Check Division	0,001 kg ≤ e ≤ 0,010 kg
Number of Check Divisions	n ≤ 3000 for every partial measuring interval
Range of TARE	-Max1 – for dual range -Max - for single range
Power Supply	AC/DC adapter 220V AC/24V DC/ 3A
Number of Measuring Intervals	1 or 2
Operating Temperature	-10 ºC to 40 ºC

5. Operating Instruction

1. Open the box and take out its contents:
   - Electronic Scale
   - Display Window
   - Display Colum
   - AC adapter
   - User's Manual
2. Pass the Display Window cable through the metal Display Colum (tube).
3. Connect the Display window cable with the cable of the scale.
4. Insert the Display Colum (tube) into the display bracket in the back of the scale. Screw the Display column with the 2 assembly screws.
5. Fasten the Display Window to the Display Colum with the 2 assembly screws.
6. Place the scale onto horizontal surface (table). Level the scale by using the 4 adjustable legs at the bottom of the scale. Turn the legs clockwise or counterclockwise so the bubble of the leveling gauge is inside the indicated circle which is located under the metal platter in the left side of the scale.
7. Plug the scale AC adapter into a power outlet.
8. Turn On the scale using the ON/OFF switch located on the bottom left side of the scale. After the scale is turned on, an automatic self-check is started. Wait 10 minutes before you start using the scale. Turning the scale off is done by the same ON/OFF switch.
9. **DO NOT** place the scale on the following locations:
   - Locations with quick changing temperature
   - Locations on direct sun light
   - Dusty places and location with high humidity
   - Locations with direct path of oscillating fans, ventilation systems or vibrations
10. **DO NOT** leave loads on the platter for long periods of time
11. **DO NOT** place the scale near high magnetic fields or utilities generating electromagnetic filed
12. Keep the scale from spilling liquids because they can damage the electronics inside the scale
13. Avoid strong hits or shakes of the scale

6. Scale Overview

6.1 Overview



6.2. Description

1. Measuring block
2. Barcode Label Printer:
   - Printer type: direct thermal print
   - Automatic unstuck of the label and winding of the main tape
   - max width of the label: 56mm ,203 dpi
   - print speed: 75mm/sec
   - 5 build in barcode print types: EAN13, EAN8, UPCA и др.
3. Main keyboard with User Display Window
   a. Display:
      - Graphical LCD, 240x60, backlight
      - Displaying information:
        - Name of the commodity
        - Weight: 5 digits
        - Unit Price: 5 digits
        - Total Price: 6 digits

   b. Keyboard: 32 keys, 9 keys for direct choice of PLU
4. Clients Display Window – Fig.8.1
   - Graphical LCD, 240x60, backlight
   - Displaying information:
     - Name of the commodity
     - Weight: 5 digits
     - Unit Price: 5 digits
     - Total Price: 6 digit

5. Keyboard with 56 buttons for direct choice of articles
6. Connector for additional devices: barcode scanner, PC keyboard
7. Leveling gauge
8. Collecting interface module
9. Lead seal screws
10. Display column (tube)
11. Metal platter
12. Power supply jack, interface connectors RS232, Ethernet
13. Power switch ON/OFF
14. Serial number plate, Metrological specifications, Control stamps
15. Method of lead sealing

6.3. Stamps and Lead Sealing

The scales from series ETS have EO certificate for approved type and correspond with the “Regulation for the main requirements and the measure of quality for scales with non-automatic operation”
According to the requirements in appendix 8 from the Regulation, on the left side of the scales is placed a label with serial number, meteorological characteristics of the scale, CE logo for correspondence and the year of which the valuation for correspondence was done. The scales are also stamped with lead seal against unauthorized opening and disassemble.

7. Preparing For Use

7.1. Turn On the Power Source

Before installing the scale is necessary to inspect the device for any mechanical damages that may have occurred during the transportation. After the inspection is done the scale is ready for installation. Place the scale onto horizontal surface. Level the scale by using the 4 adjustable legs at the bottom of the scale. Turn the legs clockwise or counterclockwise so the bubble of the leveling gauge is inside the indicated circle which is located under the metal platter in the left side of the scale.

After the scale is properly placed for work, normal working conditions should be provided:

Operating Temperature	- 10 °C to +40 °C
Air Humidity	20 % to 80 %
Power Source	220V
Power Source Frequency	50 Hz

DO NOT plug the AC adapter in any power source different from the 220V/50Hz!!!

Avoid overload of the scale with weights greater that the specified Maximal Load!

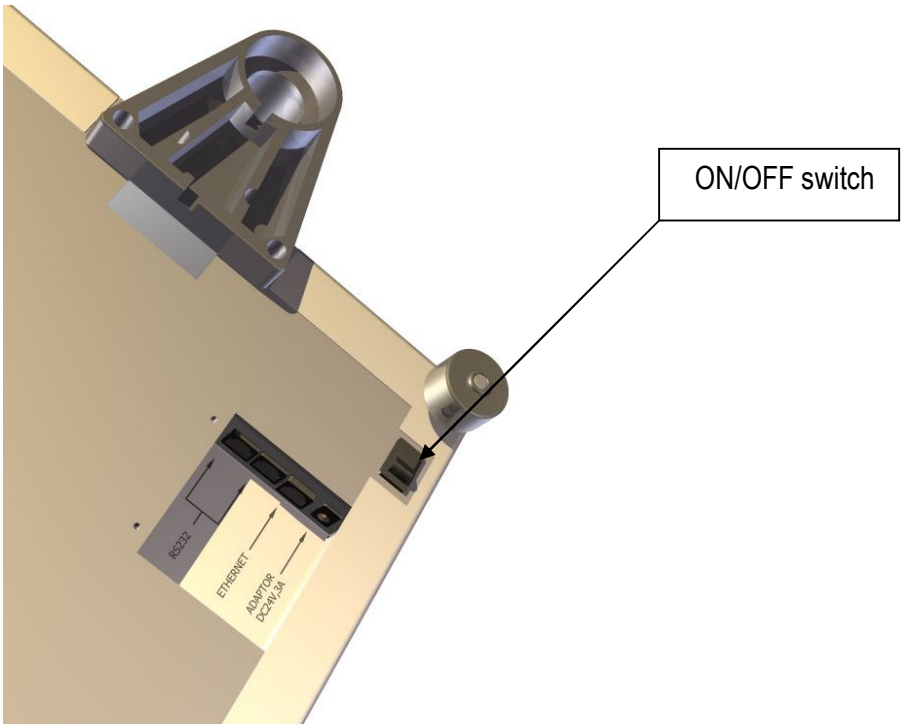


Fig. 7.1

7.2. Installation of the Label Roll

1. Open the top cover (platter)
2. Place the label roll
3. Unlock the thermal print head by pushing the button (Fig.7.2)
4. Feed the paper tape through the slot between the 2 shafts and the thermal print head
5. Fix the caring paper tape to the rolling mechanism with the Press Bracket (Fig.7.2)
6. Close the thermal print head by pushing it against till you hear "CLICK"
7. Press the **PRN** key with the top cover open. The printer should eject one or more blank labels

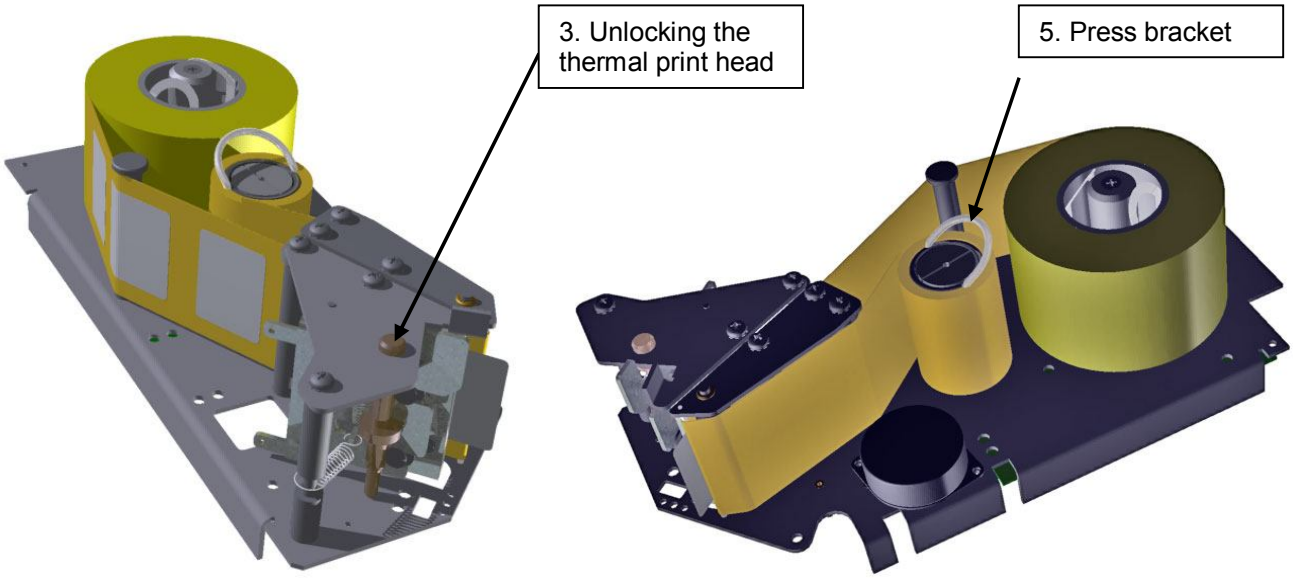


Fig. 7.2

7.3. Connecting External PC Keyboard

Connect the keyboard to the connector labeled „KEYB" located on the side of the Main Display block

Fig. 7.3

7.4. Connecting External Devices

On Fig.7.1 are shown all interface connectors of the ETS scale.

1. The scale can be connected via Ethernet Connection to network SWITCH or HUB by its standard 8 pin RJ45 connector labeled on Fig.7.1 as "Ethernet"
2. The connectors RS232 are labeled on Fig.7.1 as „RS232" and are designed as:
   a. RS1 – 4 pin RJ11 is situated in the middle next to the 8 pin RJ45 – designed for direct RS232 connection with PC. The speed of the transfer is setup in SERVICE MODE.
   b. RS2 - 4 pin RJ11 is situated on the far left end – designed for loop connection with scales type EVL or EEP.

8. Operation Mode

The scale works in 2 major modes: “WEIGHING” and “SERVICE”. Both modes are managed by the main keyboard.

8.1. WEIGHING MODE

8.1.1 Operation of the keyboard buttons

1. Turn On the scale using the ON/OFF switch – located on the bottom part of the scale (13)

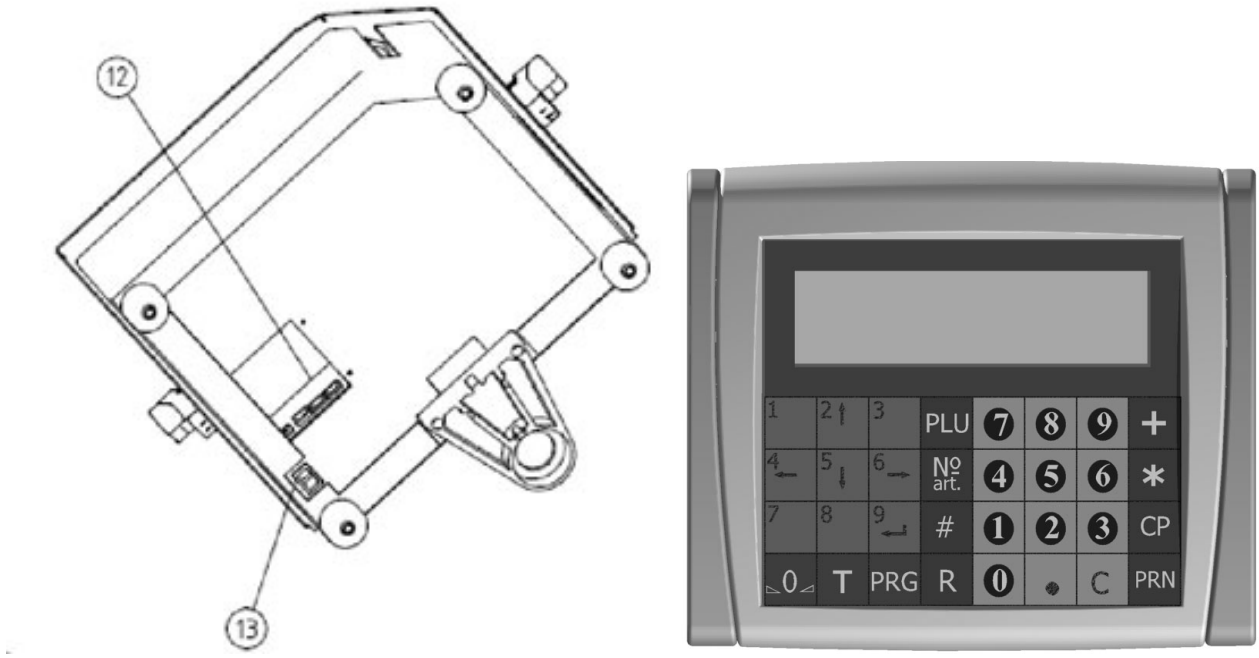
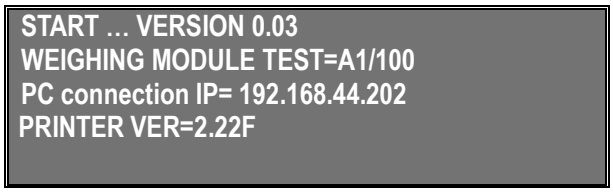


Fig. 8.1

2. Key ZERO SETTING **>0<** – it is used for setting zero to the load indicator. If due to external conditions temperature change or leveling the readout is not zero the **>0<** key is used to set the scale to zero.
3. Key TARE **T** – it is used for entering the Tare value. The load, which is currently being weighed, is considered as Tare.
4. Keyboard buttons on white background **0**, **1**, **2**, **3**, **4**, **5**, **6**, **7**, **8**, **9**, **C**. These buttons are used in WEIGHING mode are used for entering article’s prices per kilogram. Wrong figures are deleted by pressing the **C** key and the price setting starts from the beginning. These keys are also used to call previously set article price – the number of the article is followed by push of the **PLU** key and are stored as article numbers: 01, 02...89, 90…8,500.
5. Article keys on green background: **1**, **2**, **3**, **4**, **5**, **6**, **7**, **8**, **9** They are used for previously set article prices and tare weight. The total number of the stored articles depends on the memory of the scale. Scale models L2 and B2 are equipped with additional 56 button keyboard for direct choice of articles.
6. Key **PRN** is used for label printing. In SERVICE MODE the key is used to confirm the entered information. The button is also used as a FEED key when the scale is free of load – The FEED function ejects empty label from the printer.
7. Functional keys.
   - **PRG** - triple press of the key switches the scale from WEIGHING MODE to SERVICE MODE
   - **CP** - switches the scale from WEIGHING MODE to SERVICE MODE

8.1.2. Turn On the Scale

After the scale is turned on, an automatic self-check of all modules is started. Information about the software version and the IP address is shown on the display. During the self-check process no objects should be placed on the scale's platter.



After all self-check processes are completed the scale is switching to WEIGHING MODE. On the main display are shown zeros and ">0<" sign is lit.

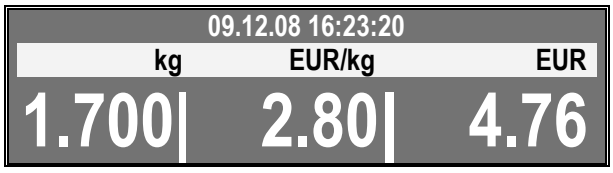
The scale is ready for work.
If the scale is showing DIFFERENT value than „0.000" while no load is placed on the platter, the **>0<** button is pressed to ZERO the scale.

IMPORTANT:
1. In the far left part of the display is shown the weighed values or the values of the Tare.
2. In the middle part of the display is shown the keyboard inputted price or the previously saved price per unit.
3. In the far right part of the display is calculated the total value according to the weight and the price per unit

8.1.3. Weighing of commodities with price entered by the keyboard (freely entered price). Weighing and using the Tare

Place the weighed load over the platter.

The scale will display the weighed commodity.
Type the desired price per unit via the keyboard (white background) Example: **2**, **8**, **0.**



If the entered price is wrong press the **C** key and it will clear, then enter the new price. Example:
2, **5**, **0**

In the field for total value is calculated the price.
In this case: 4,25

Take the load from the platter.
In the field for price per unit is the last entered price. The field for the total price is empty and it stay like that till the load is minimal for the scale.

Note: *When the load is less than the minimal load (see the Min symbol on the front panel) the scale doesn't calculate total price*

Work with TARE

To remember the current weight as a TARE press the **T .** key.

Now the weight is set to Zero. Above the weight is displayed the „NET" symbol as a sign that a TARE is being entered and is showing the net weight.

By pressing the **T.** key the scale is displaying the weight of the Tare.
After approximately 5 seconds the scale is back to displaying the net weight.

After the load is removed from the platter the scale is displaying the weight of the active Tare again.

When placing additional load, the scale is displaying its net weight.

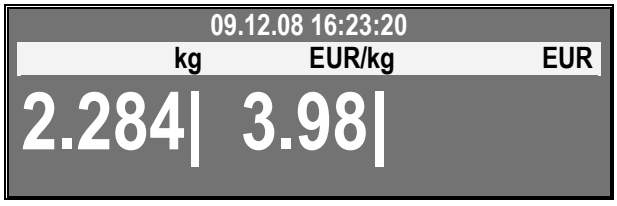
You can save a new Tare over again with the **R** key. Displaying the value of the active Tare is done again by pressing the **T.** button

Setting the scale to Zero is done by pressing the **T .** key when the scale is free of load.

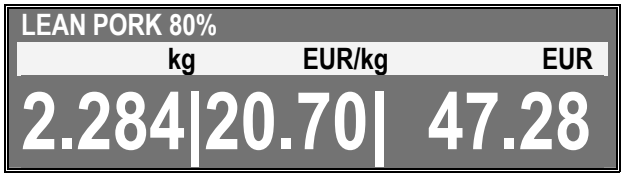
8.1.4. Weighing commodities with previously set price/ price and tare

Let's set the commodity as article № 398.

Place the load. Enter the desired article number by using the numeric keyboard (white background) and press the **PLU** key.



Enter the **3**, **9**, **8 .** keys. The entered number is displayed in the Price per Unit field, press the **PLU** key. If the chosen article is set with numbers 1 to 9. The article can be directly called by using the buttons 1 to 9 (green background)
For scale models L2,B2 and S is possible to use the corresponding keys for direct call of articles.



In the price per unit field is displayed the price. The total price is re-calculated. On the top part of the display is shown the name of the article (LEAN PORK 80%).

After the load is removed the price per unit field is set to Zero. The total price field is blank.

If the chosen PLU has previously set Tare it is deducted from the weight and Net weight is shown. The NET sign is displayed and shows that there is a set Tare for the corresponding article and only the net weigh is shown.

After the load is removed from the platter. The scale displays the value of the set Tare with negative sign.
Setting the Tare to zero is done by pressing the **T .** key when the scale is free of load.

8.2. Label Printing

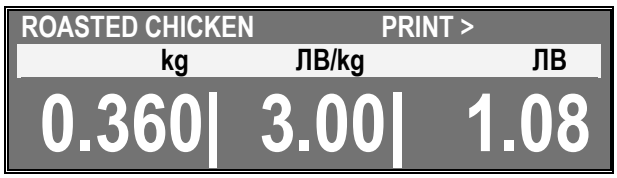
8.2.1. Printing the labels with the weighed commodities

After the commodity is being weighed by one of the methods described in p.8.1 – with freely entered or previously set price is possible to print a label with the result of the weighed article. If a label is being print by freely set price there will be no characteristics of the commodity such as Name, Expiration Date and est. The field for these characteristics will be left blank or with the " * " symbol.

1. Place the desired load. The scale is displaying the weight.

2. Enter from the keyboard the PLU № or Article № of the placed load: Example 2023.

3. Press the **PLU** or **No art** key depending on if you have entered before the PLU № or the Article №. The scale displays the name and the price of the chosen article.

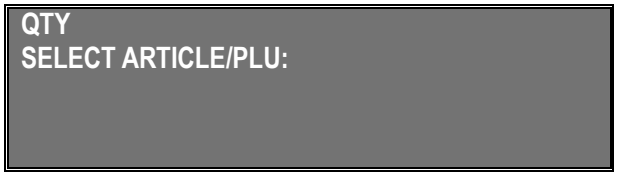


4. After the weight is set, the label can be printed by pressing the **PRN** key. In the top right corner of the display is shown "PRINT>" – as an indication that the label is printing.

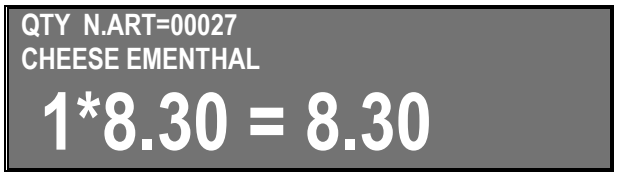
The design of the label and the information on it is determined by previously set form. A detailed description of the software "Label editor" is enclosed in the SERVICE MANUAL.

8.2.3. Label printing with manually set QUANTITY of articles

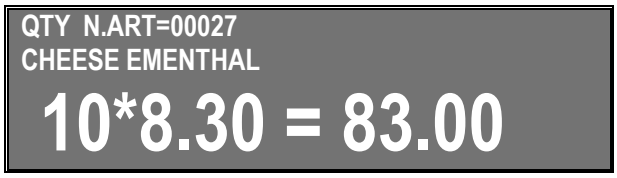
You can enter PRINT MODE QUANTITY of articles by pressing the [*] key in WEIGHING MODE.



The scale is in PRINT MODE QUANTITY of articles and you should enter PLU № or Article №. Enter the desired number and press the [PLU] or [No art] key depending on if the entered number is PLU № or Article № of the load.



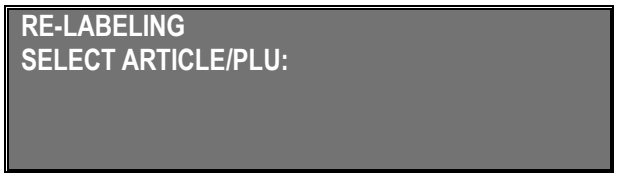
The scale displays Article №, name, price per unit and **1 peace** of the chosen commodity. By using the keyboard you can enter different values for quantity. To delete the numbers press [*.]



Print the Label with the [PRN] key.
Choose an article by pressing [PLU] or [No art]
To exit the mode press [CP]

8.2.3. Label printing with manually set weight – RE-LABELING MODE

You can enter RE-LABELING MODE by pressing the [CP] key when the scale is in WIGHING MODE.



The scale is in RE-LABELING MODE and you should enter PLU № or Article №. Enter the desired number and press the [PLU] or [No art] key depending on if the entered number is PLU № or Article № of the load.

The scale displays the Article №, name, price per unit. Now you have to enter the desired weight that is going to be printed on the label. Enter the weight by using the keyboard. To delete the entered number press [CP]

Print the Label with the [PRN] button.
Choose an article by pressing [PLU] or [No art]
To exit the mode press [CP]

8.2.4.Setting the print parameters: batches, № label, № stand, № operator, № scale

Enter the MODE from WEIGHING MODE when the scale is free of load by pressing [PRG] and after that [PRN] .

PARAMETERS: Batch numbers P1, P2, P3 are used to enter numeric information onto the printed labels. They are used for applying batch numbers to the produced goods.
PARAMETER: LABEL – determines the number of the active label, which is in use at the moment and is about to enter the printer.
Use the arrows to change the position of the desired parameter and to change its value.
To go to the next parameters press the ↓ key.

L;NUMBER – Label counter. It's necessary to add parameter "LABEL №", after each print the count increases. By using this menu you can check or change its current value.

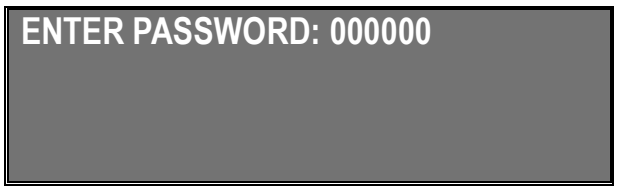
Parameter OPERATOR– Operator's № - identification which can be printed on the label.
Parameter SCALE – Scale № - identification which can be printed on the label.
Parameter STAND – Stand № - identification which can be printed on the label.
To go to the next parameters press the ↓ key.

Parameter AUTO LABEL – ENABLE/DISABLE automatic label print when the weight is greater than the minimum. To change the parameter press the + key.

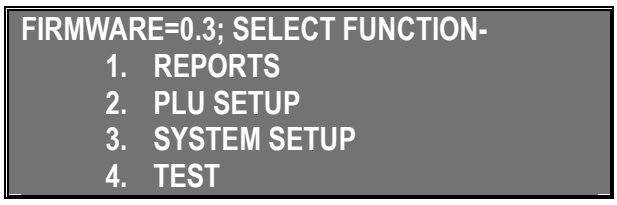
To exit the mode at any time press the CP key.

8.3. Service Mode

To enter SEVICE MODE press the PRG key three times.

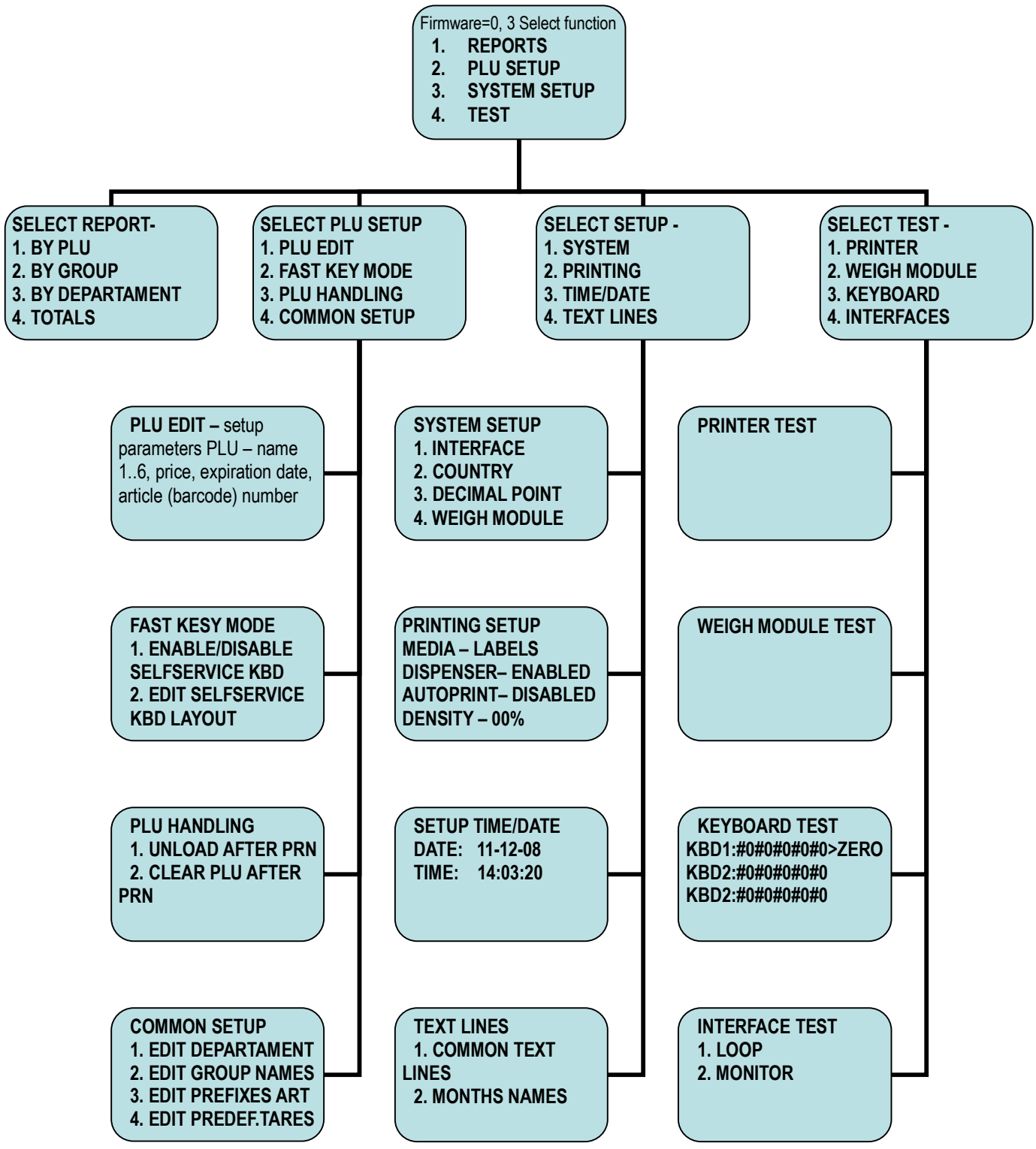


You need to enter password to access the SERVICE MODE. The factory password is „123456". After you enter the password press the PRN key.



To choose the corresponding mode press one of the keys from 1 to 4.

GENERAL VIEW of the functions of the SERVICE MODE



1.REPORTS – REPORTS MODE

```
SELECT REPORT –
 1. BY PLU
 2. BY GROUP
 3. BY DEPARTAMENT
 4. TOTALS
```

Choose the desired mode by pressing the keys from 1 to 4.
To exit the mode press **CP** .

1.1. BY PLU – report by PLU (articles) –

```
TOT.PLU N.ART=00016
PLU.NR=1; ART=GERMAN HAM
WEIGHT=00012.880
SUM     =000080.20
```

The scale displays the Article №, PLU № and the name of the article. On the last 2 lines are displayed the accumulated weigh and total price for the chosen article. Changing to NEXT/PREVIOUS PLU № can be done by using the **+** / **-** .keys. The scale will find the first PLU № with accumulation different than 0 and will display it.
During the memory scanning for PLU № different than 0, the scale will display SEARCH and the number that scans at the time.

```
TOT.PLU N.ART=?
PLU.NR=8601; ART=FREE PRICE PLU
WEIGHT=00002.000
SUM     =000010.10
```

After it scans the last PLU №, the scale also check accumulation entered by freely entered price that are different by zero.
The PLU № is the maximal number plus 1.

```
ENTER PLU NUMBER: 0055
(0001..8600)
```

You can check the next PLU № by pressing the **PLU** key.
The scale will display a field to enter the desired number. Enter the desired PLU №.
For example: 0055 and press the **PLU** key.

```
TOT.PLU N.ART=00123
PLU.NR=55; ART=APPLES
WEIGHT=00010.200
SUM     =00004.40
```

The scale shows the information about the new PLU №.

To exit the mode at any time press the **CP** key.

1.2. BY GROUP – reports by groups

```
TOT.GROUP
GROUP=0; =Group 0
WEIGHT=00002.440
SUM     =000009.80
```

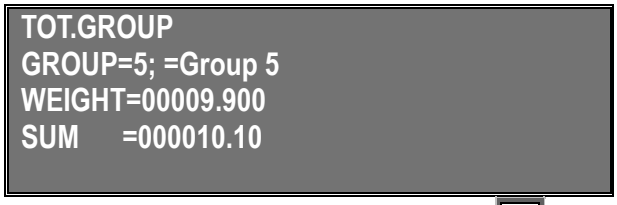
The scale displays the number and the name of the group. On the last 2 lines are displayed the accumulated article's weigh and total price.

```
TOT.GROUP
GROUP=1; =Group 1
WEIGHT=00005.500
SUM     =000013.20
```

To change to NEXT/PREVIOUS group number use the **+** / **-** keys.

```
GROUP=05
(00..20)
```

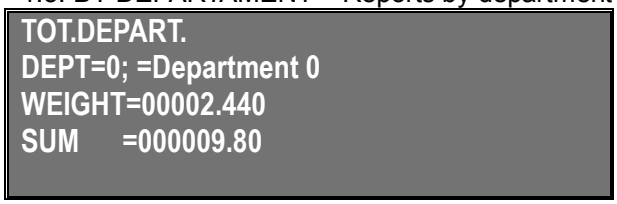
To go to next group number press the **PLU** key. The scale will display a field to enter the group number.
For example: 05 and press the **PLU** key.



The scale displays information about the new group number.

To exit the mode at any time press the **CP** key.

1.3. BY DEPARTAMENT – Reports by department



The scale displays the number and the name of the department. On the last 2 line are shown the accumulated article's weigh and total price.

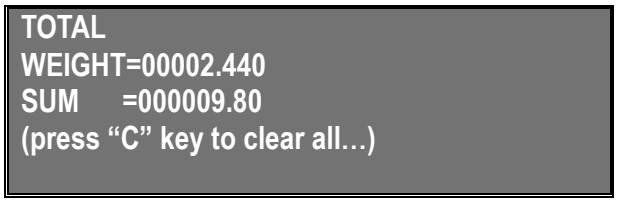
To change to NEXT/PREVIOUS department number use the **+** / **-** keys.

To go directly to other department number, press the **PLU** key. The scale will display a field to enter the number. Enter the desired department number.
For example: 11 and press the **PLU** key.

The scale displays information about the new department number.

To exit the mode at any time press the **CP** key.

1.4. TOTALS – Total accumulations



The scale displays the total accumulation for weigh and price. To delete all accumulations press the **C** key.

Confirm that you want to delete by pressing the ***** key.

After the DELETE is over the scale is going back into REPORT MODE.

To exit the mode at any time press the **CP** key.

2. PLU SETUP – programming mode PLU(articles)
2.1. PLU EDIT – editing information about the articles. Entering the text information is done by the use of external PC keyboard. Saving the changes and going to the NEXT/PREVIOUS article is done by using the [+] / [-] .keys. Moving the pointer through the list of parameters is done by using the arrows of the PC keyboard or using the [2 ↑] [4 ←] [5 ↓] [6 →] keys from the main keyboard.

```
EDIT PLU#1 ENG Rep
PRICE=003.00  TARE=00.000/01.284
NAME1=CHICKEN WINGS
NAME2=PORK,SEASONING
NAME3=
```

PRICE- price per unit;
TARE=00.000/1.284 – the first numbers is the current saved tare, the second number is the weight of the load placed at the moment.
NAME1..NAME3- name1.. name3 of the article

Programming of the current parameter is done by positioning the blinking pointer and entering the desired information.

```
EDIT PLU#1 ENG Rep
PRICE=003.00  TARE=01.284/01.284
NAME1=CHICKEN WINGS
NAME2=PORK,SEASONING
NAME3=
```

The Tare is programmed by placing the blinking pointer over the desired parameter. Place the load over the platter which will be used as a Tare. To save the load press the [T] key.

At the moment of placing the load, the weight will show on right part of the parameter TARE. After saving it the value will appear on the left part of the parameter.

```
EDIT PLU#1 ENG Rep
NAME4=
EXPIR=DAYS =000
NUM1 =00017
NAME5=
```

NAME4, NAME5- name4, name5 of the articlea
EXPIR=DAYS=00 – defines in what units is measured the expiration of the products. Types of units: DAYS; MONTHS; YEARS; HOURS are defined by positioning the blinking pointer over the desired text followed by the [+] key

NUM1 – article № – used in the barcode

```
EDIT PLU#1 ENG Rep
NAME6=
GROUP=00
DEPRT =00
LABEL=00
```

NAME 6 – name of the article
GROUP,DEPRT,LABEL,PART – Defines the article's affiliation to Group, Department, Label number and batch number.

```
EDIT PLU#1 ENG Rep
PRICE=03.00
NAME1=CHICKEN WINGS
NAME2=PORK, SEASONING
NAME3=
```

To change the PLU № press the [PLU] key.

```
ENTER PLU NUMBER:0002
```

Enter the new number followed by the [PRN] key.

```
EDIT PLU#11 ENG Rep
PRICE=03.00
NAME1=CHICKEN WINGS
NAME2=PORK, SEASONING
NAME3=
```

To change the input mode ENG REP (English) to BDS (Bulgarian) REP press both Shift+CTRL keys of the external PC keyboard.

```
EDIT PLU#11 Phonetic Rep
```

To change from BDS (Bulgarian) REP to Phonetic

```
PRICE=03.00
NAME1=CHICKEN WINGS
NAME2=PORK, SEASONING
NAME3=
```

(Bulgarian phonetic) Rep press the Shift+Alt keys.

To exit the mode press the ESC key from the PC keyboard or ***CP*** from the main keyboard.

2.2. FAST KEYS MODE

```
FAST KEYS
 1.ENABLED/DISABLE SELFSERVICE KBD
 2.EDIT SELFSERVICE KBD LAYOUT
```

1.Activating the Self-service mode of the keyboard
2.Editing the keyboard keys in Self-service Mode

```
ENABLE SELFSERVICE KBD
DISABLED (change with key "+")
```

1.Enable/Disable of the Self-service Mode is done by pressing the **+** key.

```
SELFSERVICE KBD LAYOUT
   KEY=PLU1
 □PLU=000000
(press key "T" for help)
```

2.Setting the PLU № for every button in Self-service Mode. The editing is done by switching to PLU № mode and choosing a key from the keyboard which is being set up now. When the "press key "T" for help" appears the scale awaits to enter a PLU № from the keyboard (white background)

```
SELFSERVICE KBD LAYOUT
 □KEY=PLU1
  PLU=000000
```

When the text is hidden the scale awaits to push the key we wish to set up. Switching between the 2 modes is done by the ***PRG*** key. Additional sign that the scale is in the right mode is the □ symbol in front the KEY and PLU

2.3.PLU HANDLING – additional control of the PLU settings for the label printing

```
PLU HANDLING (change with key "+")
UNLOAD AFTER PRINT □ENABLED□
CLEAR PLU AFTER PRINT ENABLED
```

Position the pointer over the desired parameter by using the arrows. Additional index for the current parameter is the symbol □ in front of ENABLED/DISABLED
UNLOAD AFTER PRINT – <u>remember to</u> unload the scale after the label print.

CLEAR PLU AFTER PRINT – <u>remember</u> that the scale will set to zero automatically after the label is printed.

2.4.COMMON SETUP PLU

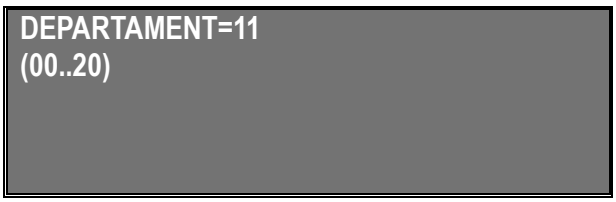
```
COMMON SETUP PLU
 1. EDIT DEPARTAMENT NAMES
 2. EDIT GROUP NAMES
 3. EDIT PREFIX FOR ARTICLE NUMBERS
 4. EDIT PREDEFINED TARES
```

Common Setup:
1. Edit names and departments
2. Edit group name
3. Edit prefix for article numbers
4. Edit predefined Tares

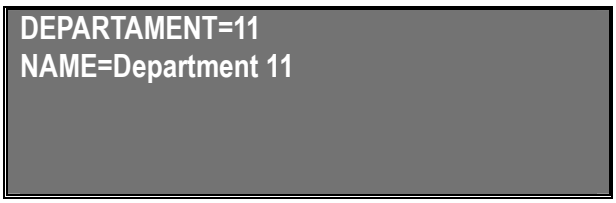
2.4.1. EDIT DEPARTAMENT NAMES

Enter the desired name of the corresponding department number. You need external PC keyboard to perform this task.

To change to NEXT/PREVIOUS department number use the [+] / [-] keys.



To go directly to other department number, press the ***PLU*** key. The scale will display a field to enter the number. Enter the desired department number.
For example: 11 and press the ***PLU*** key.



Enter the desired department name.
To exit press the ***CP*** key.

2.4.2. EDIT GROUP NAMES

Enter the desired name for the corresponding group number.
You need an external PC keyboard to perform this task.
To change to NEXT/PREVIOUS group number use the [+] / [-] keys.

To go directly to other group number, press the ***PLU*** key. The scale will display a field to enter the number. Enter the desired department number.
For example: 12 and press the ***PLU*** key.

Enter the desired group name.
To exit press the ***CP*** key.

2.4.3. EDIT PREFIX FOR ARTICLE NUMBERS – Example: If set article numbers are in the form of: 80xxxx, means that all numbers start with „80", this parameter can be set up to: 000080. As a result the operator will have to enter only 4 digits followed by the ***No art*** key. The scale will automatically add „ 80" at the beginning and after that will perform search in the memory.

Enter the desired prefix. Example: 000080
To exit press the ***CP*** key.

2.4.4. EDIT PREDEFINED TARES – Editing 50 previously saved Tares, independently those set to the PLU numbers.

EDIT PREDEFINED TARE 01. **TARE=00.000/01.284**	The scale will show Tare number 0 and the current value of the weight on the right part. The 2 numbers are divided by the symbol: „ / „ To change to NEXT/PREVIOUS saved Tare use the **+** / **-** keys.
EDIT PREDEFINED TARE 01. **TARE=01.284/01.284**	Place the desired load you wish save as a Tare. After the value is shown in the right part of the display press the **T** key. As a result the saved value in the left part will change to the current value from the right part of the display.
ENTER TARE NUMBER=15 **(01..50)**	To go directly to other group number, press the ***PLU*** key. The scale will display a field to enter the number. Enter the desired department number. For example: 15 and press the ***PLU*** key.
EDIT PREDEFINED TARE 15. **TARE=00.720/01.200**	If you want repeat the steps described above to set a new Tare. To exit the mode press ***CP***

3.SYSTEM SETUP

SYSTEM SETUP **1. INTERFACE** **2. COUNTRY** **3. DECIMAL POINT, MONEY** **4. WEIGH MODULE**	Menu: SYSTEM SETUP 1. Interface Setup – RS232,IP address,printer 2. Language Setup – keyboard, display 3. Decimal Point and Currency Setup 4. Weigh Module Setup: CALIBRATION

3.1. SYSTEM

3.1.1 INTERFACE SETUP: serial port, scale number, IP address, serial port for printer connection

SETUP INTERFACE: **1. PC,BAUD=038,4** **2. SCALE NUMBER=00** **3. ETHERNET IP=192.168.0.79** **4. PRN,BAUD=009.6**	Menu: Interface Setup 1. Speed setup for RS232 2. Scale logical number setup 3. IP address 4. Setup of the communication speed with the build in printer.

3.1.2 COUNTRY – language setup of the keyboard and the display; code page

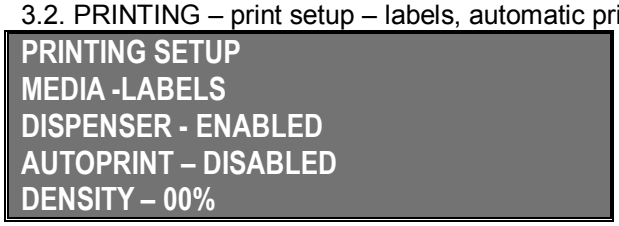
COUNTRY: **LANGUAGE= BULGARIA** **CODEPAGE= MIK** **(change with key "+")**	LANGUAGE – Regional settings of the keyboard CODEPAGE – Code page for the articles and labels data. By using the arrows move the blinking pointer over the desired parameter. To change the value use the **+** key.

3.1.3. DECIMAL POINT, MONEY – Setup of the currencies;correlation between the 2 currencies

SETUP DECIMAL POINT, MONEY **MONEY1= € X.XX** **MONEY2= ?~~~ X.XX** **MONEY1/MONEY2=0000/0000.0000**	Menu: Setup of the decimal point and currency symbol Currency 1 – symbol;decimal point Currency 2 - symbol;decimal point You need an external PC keyboard to add text symbols of the currency

3.1.4. WEIGH MODULE – Calibration of the scale – Detailed calibration instructions are attached in separate CALIBRATION INSTRUCTION

3.2. PRINTING – print setup – labels, automatic print, print density



MEDIA –LABELS – by using the [+] key choose the print type on labels or thermal paper (LABELS/PAPER)
DISPENSER – ENABLED

AUTOPRINT –DISABLED – auto prints labels when the weight is defined. Use the [+] key to ENABLED/ DISABLED
DENSITY – 100%

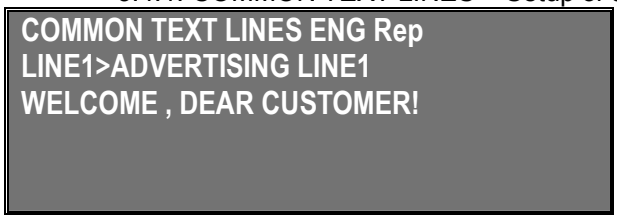
3.3. TIME/DATE – time setup – date, time

Place the blinking pointer using the arrows to set DATE and TIME by using the digits from the main keyboard.

To exit the mode press [CP]

3.4. TEXT LINES –abbreviations, months

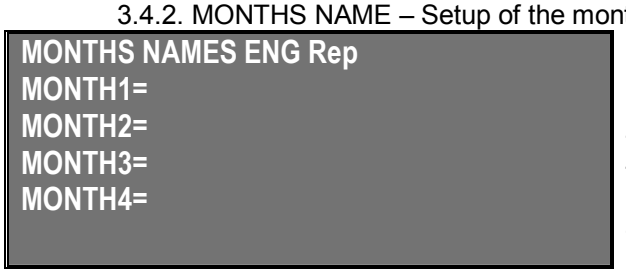
3.4.1. COMMON TEXT LINES – Setup of advertising messages and common text lines



Place the blinking pointer on the text by using the arrows. By using the external PC keyboard type the text you want to be printed on the label. Advertising line 1 shows on the display.
The advertising line number is changed by using the [+] and [*] keys.

To exit the mode press [CP]

3.4.2. MONTHS NAME – Setup of the month's names and use of abbreviations



Place the blinking pointer on the desired parameter by using the arrows. With the external PC keyboard type the month's names and abbreviations for day, month, year, time. These names will be used for expiration dates in text form.

To exit the mode press [CP]

9. Error Mode

9.1. PRIMARY SELF-CHECK:
With the initial start the display shows:

```
START …..  VERSION 0..7
WEIGH MODULE TEST = A1/100
PC CONNECTION  IP=192.168.0.202
PRINTER VER=2.22F
```

- Software version
- Test of the connection and WEIGHTING MODULE version
- Test of the Ethernet connection and IP address
- Test of printer connection and software version

IMPORTANT: If there are no values on the right side of the equations on 2nd, 3rd and 4th line – most likely there is no connection with the corresponding module due to disconnected cable or damage in the module.
The scale will still operate without Ethernet connection or failure of the printer module, in case of load cell failure the scale freezes.

9.2. ERROR MASSEGES

```
WEIGH MODULE FAIL ….
SYSTEM BLOCKED
```

Due to lost connection with the load cell. The scale freezes.
Possible cause:
- Disconnected cable
- Module failure

```
21-01-09  22:10:05

;0;ERR
```

ZERO SET ERROR. The scale freezes.
Possible cause:
- Placed load during the scale start
- Opened top cover (platter)
- Damager connection or load cell failure

```
PRINTER ERROR:
NO PAPER
```

PRINTER ERROR – NO PAPER
Possible cause:
- The paper roll needs to be changed

9.3. WHAT TO DO WHEN AN ERROR MESSAGE APPEARS
When an error message appears:

- Unload the scale
- Turn Off the scale
- Check for disconnected power supply or interface cable
- Open and close the top cover (platter) very carefully
- Turn On the scale again – if an error message appears again, please contact your nearest authorized service

CE

Declaration of conformity

The non-automatic weighing instrument class: (III)

Manufacturer:	**Elicom electronic Ltd, Bulgaria, Silistra 7500 5th Saedinenie sq.**
Type/Model:	**ETS xx-x-x**
Serial Number:	
№ of the EC type-approval certificate	**NB1799 T050**

Corresponds to the production model described in the EC type-approval certificate and to the requirements of the following EC directives:

90/384/EEC 93/68/EEC 2004/108/EC

In conformity with the following standards:

БДС EN45501:2001 БДС EN61000-4-2+A1+A2:2004
БДС EN61000-4-4:2006 БДС EN61000-4-11:2006
БДС EN61000-4-3:2006

and to the following laws:

Regulation for the main requirements and the measure of quality for scales with non-automatic operation

The CE verification has been made by manufacturer in conformity to the certificate of approval
№ BG-Q-07-001/31.07.2007 of the production system quality guarantee approved by "MEGACOMMERCE" Ltd. - Directorate "Conformity Assessment", Notified body №1863

The CE verification has been made in zone: **g=9,80539 m/sec²**

Date: ***20.01.2009*** Signature:

ELICOM ELECTRONIC Ltd
eng. Todor Georgiev
/Executive Director/

ELICOM
ELECTRONIC

HEAD OFFICE

7500 Silistra, Bulgaria
5, Saidinenie sq. PO Box 188
Tel.: +359/ 86 /820 200, 882 255
Fax: +359/ 86 /820 555
e-mail: info@elicom-bg.com

OFFICE AND SERVICE

1784 Sofia, Bulgaria
131, Tsarigradsko shosse, "ATM Center", fl. 4, office 403
Tel.: +359/ 2 / 974 4391
Fax: +359/ 2 / 974 4391
e-mail: elicomsf@elicom-bg.com

www.elicom-bg.com